

IN THE CLAIMS

1. (currently amended) A receiving apparatus for receiving a signal over a plurality of different kinds of transmission media, said apparatus comprising:

receiving and demodulating means, including:

signal processing means that includes a tuner for at least receiving and a demodulator for demodulating a signal delivered over at least a particular one of the plurality of different kinds of transmission media, said signal processing means having a hardware structure that is associated with the particular one of the plurality of different kinds of transmission media and which includes a control input; and

main control means, compatible with each one of the plurality of different kinds of transmission media, for receiving a request for a particular program or channel, for generating an indirectly controlling command said signal processing means based on the request, the by generating a control command using a predefined command set and being that is independent of each one of the plurality of different kinds of transmission media, and a reception zone where said receiving and demodulating means is used, and the hardware structure of said signal processing means, and for transmitting the control command to said receiving and demodulating means using a predefined command set defined by a common communication protocol;

said receiving and demodulating means further including: signal processing means that includes at least a tuner and a demodulator for processing the received signal and that includes a control input, said signal processing means being associated with the particular one of the plurality of different kinds of transmission media,

interface means for receiving the control command from said main control means and for outputting the control command, and

process control means for receiving the outputted control command from said interface means, for reading out an associated one of a plurality of stored control programs in response to the received control command, for converting the associated control program into control data that is recognizable by said signal processing means and which is associated in accordance with the hardware structure of said signal processing means~~particular one of the plurality of different kinds of transmission media~~, and for outputting the control data to said control input of said signal processing means,

said signal processing means processing the received signal based on the received control data.

2. (previously presented) The receiving apparatus according to Claim 1, wherein the associated control program is independent of at least the particular one of the plurality of transmission media.

3. (previously presented) The receiving apparatus according to Claim 1, wherein the associated control program is independent of the reception zone.

4. (previously presented) The receiving apparatus according to Claim 1, wherein said main control means includes transferring means whereby the control command is transmitted to said receiving and demodulating means over a bus.

5. (previously presented) The receiving apparatus according to Claim 4, wherein said bus is an IEEE 1394 serial bus.

6. (currently amended) A method of receiving a signal over at least one of a plurality of different kinds of transmission media, said method comprising:

receiving and demodulating a signal delivered over at least a particular one of the plurality of different kinds of transmission media using a hardware structure that is associated with the particular one of the plurality of different kinds of transmission media; and

controlling said receiving and demodulating, including:

receiving a request for a particular program or channel,

indirectly controlling the hardware structure associated with the particular one of the plurality of different kinds of transmission media based on the request by generating a control command based on the request, the control command using a predefined command set and being that is independent of each one of the plurality of different kinds of transmission media, and a reception zone where said receiving and demodulating is performed, and the hardware structure associated with the particular one of the plurality of different kinds of transmission media based on the request,

transmitting the control command using a predefined command set defined by a common communication protocol,

receiving the control command,

reading out an associated one of a plurality of stored control programs in response to the received control command,

converting the associated control program into control data that is ~~associated~~ recognizable by and in

accordance with the hardware structure associated with
the particular one of the plurality of different kinds
of transmission media, and

processing the received signal based on the
control data, ~~the control data being recognizable by~~
~~said processing step, said processing step being~~
~~associated with the particular one of the plurality of~~
~~different kinds of transmission media.~~

7. (previously presented) A receiving apparatus for
receiving a signal over a plurality of different kinds of
transmission media, said apparatus comprising:

first receiving and demodulating means for at least
receiving and demodulating a signal when the signal is
delivered over a first one of the plurality of different
kinds of transmission media;

second receiving and demodulating means for at least
receiving and demodulating the signal when the signal is
delivered over a second one of the plurality of different
kinds of transmission media; and

first main control means for receiving a request for a
particular program or channel, for generating a first
control command based on the request, the first control
command using a predefined command set, and for
transmitting the first control command to said first
receiving and demodulating means when the signal is
delivered over the first one of the plurality of different
kinds of transmission media or to said second receiving and
demodulating means when the signal is delivered over the
second one of the plurality of different kinds of
transmission media, said transmitting being carried out
using a common communication protocol;

said first receiving and demodulating means including:

first signal processing means that includes at least a first tuner and a first demodulator for processing the received signal and that includes a first control input, said first signal processing means being associated with the first one of the plurality of different kinds of transmission media,

first interface means for receiving the control command from said first main control means and for outputting the control command, and

first process control means for receiving the outputted control command from said first interface means, for reading out an associated one of a plurality of stored control programs in response to the received control command, for converting the associated control program into first control data that is recognizable by said first signal processing means and which is associated with the first one of the plurality of different kinds of transmission media, and for outputting the first control data to said first control input of said first signal processing means,

said first signal processing means processing the received signal based on the first control data;

said second receiving and demodulating means including:

second signal processing means that includes at least a second tuner and a second demodulator for processing the received signal and that includes a second control input, said second signal processing means being associated with the second one of the plurality of different kinds of transmission media,

second interface means for receiving the control command from said first main control means and for outputting the control command, and

second process control means for receiving the outputted control command from said second interface means, for reading out the associated one of the plurality of stored control programs in response to the received control command, for converting the associated control program into second control data that is recognizable by said second signal processing means and which is associated with on the second one of the plurality of different kinds of transmission media, and for outputting the second control data to said second control input of said second signal processing means,

said second signal processing means processing the received signal based on the second control data.

8. (previously presented) The receiving apparatus according to Claim 7, further comprising:

wherein said first main control means generates a first control command based on the request, and transmits the first control command to a second main control means when the signal is delivered over the second one of the plurality of different kinds of transmission media using the common communication protocol,

said second main control means for receiving the control command, for converting the first control command into a second control command, and for transmitting the second control command to said second interface means of said second receiving and demodulating means using the common communication protocol,

said second process control means of said second receiving and demodulating means thereby reading out a further one of the plurality of stored control programs in response to the second

control command, and converting the further control program into the second control data.

9. (previously presented) The receiving apparatus according to Claim 8, wherein said first main control means includes transferring means whereby the first control command is transmitted to said second main control means over a bus.

10. (previously presented) The receiving apparatus according to Claim 9, wherein said bus is an IEEE 1394 serial bus.